

**Table 7. Energy Consumption Estimates by Source, Selected Years, 1960-2000, Washington**

Year	Coal <sup>a</sup> Thousand Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum											Nuclear Electric Power	Hydro-electric Power <sup>e</sup>	Wood and Waste <sup>a</sup>	Other <sup>a,f</sup>	Net Interstate Flow of Electricity/Losses <sup>g</sup>	Total <sup>h</sup>
			Asphalt & Road Oil <sup>a</sup>	Aviation Gasoline <sup>a</sup>	Distillate Fuel <sup>a</sup>	Jet Fuel <sup>a</sup>	Kero-sene <sup>a</sup>	LPG <sup>a,c</sup>	Lubri-cants <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Other <sup>a,d</sup>	Total						
			Thousand Barrels															Million kWh	
1960	608	65	1,309	2,161	18,123	4,502	105	548	571	23,076	9,300	3,562	63,257	0	34,299	—	—	-17,081	—
1965	488	108	1,683	434	17,116	6,919	34	1,227	597	26,906	9,140	7,881	71,937	0	48,814	—	—	-33,455	—
1970	245	150	2,335	351	18,201	10,637	239	1,659	666	36,068	10,384	9,620	90,161	2,614	70,142	—	—	-60,750	—
1975	4,492	164	2,910	274	16,970	14,037	346	763	620	41,007	8,459	12,236	97,622	3,308	85,438	—	—	-95,362	—
1980	5,443	129	2,050	356	18,471	12,036	120	1,487	703	42,653	17,277	10,218	105,370	2,041	83,971	—	—	-46,955	—
1985	5,616	135	2,039	202	20,360	15,417	1,212	2,466	640	44,020	11,406	11,021	108,784	8,038	77,956	—	—	R -33,890	—
1990	5,147	163	2,481	313	21,787	22,343	75	2,292	720	53,464	16,500	20,587	140,561	5,742	R 87,549	—	—	R -18,453	—
1991	5,461	173	2,967	268	19,958	21,306	70	2,596	644	54,238	17,398	20,277	139,722	4,230	R 91,087	—	—	R -25,528	—
1992	6,402	169	3,023	289	18,453	24,066	47	2,549	656	55,196	23,438	26,177	153,895	5,692	R 72,782	—	—	R 3,913	—
1993	5,934	198	2,941	198	15,469	22,226	63	2,582	668	57,385	15,928	22,449	139,909	7,135	R 67,648	—	—	R 24,341	—
1994	6,303	213	3,526	318	18,810	21,492	89	2,594	699	57,446	15,766	24,718	145,459	6,740	R 65,550	—	—	R 9,890	—
1995	4,158	220	3,558	229	18,846	23,039	121	2,913	687	58,836	17,575	24,956	150,760	6,942	81,467	—	—	R -16,758	—
1996	5,682	239	3,696	292	18,978	22,323	142	3,195	666	61,611	12,984	25,566	149,454	5,588	101,553	—	—	R -88,240	—
1997	4,949	231	4,048	202	21,630	22,454	167	5,116	704	61,213	13,193	24,107	152,833	6,244	R 105,139	—	—	R -93,852	—
1998	6,241	263	4,087	356	21,380	21,859	181	4,716	737	61,833	10,242	29,775	155,164	6,916	79,938	—	—	R -22,669	—
1999	R 5,838	284	4,104	283	20,305	22,155	124	4,458	745	63,239	9,592	32,362	157,367	6,086	95,531	—	—	R -52,001	—
2000	6,498	286	4,952	332	21,459	24,726	87	6,456	733	63,053	9,180	25,494	156,472	8,605	77,895	—	—	-25,952	—

**Trillion Btu**

1960	15.2	67.2	8.7	10.9	105.6	24.4	0.6	2.2	3.5	121.2	58.5	21.4	356.9	0.0	369.1	58.5	0.0	-58.3	808.7
1965	12.1	116.2	11.2	2.2	99.7	38.2	0.2	4.9	3.6	141.3	57.5	47.2	406.0	0.0	510.3	66.2	0.0	-114.1	996.7
1970	5.9	158.2	15.5	1.8	106.0	59.3	1.4	6.3	4.0	189.5	65.3	57.6	506.7	28.7	736.1	66.5	0.0	-207.3	1,294.8
1975	76.2	171.2	19.3	1.4	98.8	78.8	2.0	2.8	3.8	215.4	53.2	73.4	548.9	36.4	889.1	64.3	0.0	-325.4	1,460.8
1980	91.0	135.5	13.6	1.8	107.6	67.5	0.7	5.5	4.3	224.1	108.6	61.1	594.7	22.3	872.3	91.7	0.0	-160.2	1,647.2
1985	93.7	140.0	13.5	1.0	118.6	86.6	6.9	8.9	3.9	231.2	71.7	67.2	609.5	R 85.4	R 814.4	R 110.2	0.0	R -115.6	R 1,737.5
1990	85.6	167.6	16.5	1.6	126.9	126.0	0.4	8.3	4.4	280.8	103.7	123.8	792.5	R 60.8	R 910.7	R 92.8	0.4	R -63.0	R 2,048.7
1991	89.2	178.4	19.7	1.4	116.3	120.2	0.4	9.4	3.9	284.9	109.4	121.6	787.1	R 44.3	R 950.6	R 86.2	0.5	R -87.1	R 2,058.2
1992	106.1	174.7	20.1	1.5	107.5	136.0	0.3	9.2	4.0	289.9	147.4	156.4	872.1	R 59.6	R 752.7	R 107.7	0.5	R 13.3	R 2,105.3
1993	97.8	205.7	19.5	1.0	90.1	125.6	0.4	9.3	4.1	301.4	100.1	134.4	785.9	R 74.9	R 697.4	R 101.4	0.5	R 83.1	R 2,050.7
1994	106.9	221.5	23.4	1.6	109.6	121.7	0.5	9.4	4.2	300.4	99.1	147.8	817.8	R 70.4	R 676.2	R 101.2	0.5	R 33.7	R 2,057.4
1995	69.8	229.2	23.6	1.2	109.8	130.4	0.7	10.6	4.2	306.8	110.5	149.4	847.0	R 72.9	R 840.1	R 96.7	0.6	R -57.2	R 2,101.9
1996	90.9	247.5	24.5	1.5	110.5	126.5	0.8	11.5	4.0	321.4	81.6	153.4	835.9	R 58.7	R 1,050.1	R 94.5	0.6	R -301.1	R 2,093.3
1997	80.5	241.9	26.9	1.0	126.0	127.3	0.9	18.5	4.3	319.1	82.9	144.6	851.6	R 65.5	R 1,073.8	R 95.9	0.6	R -320.2	R 2,116.7
1998	103.4	275.0	27.1	1.8	124.5	123.9	1.0	17.0	4.5	322.3	64.4	179.0	865.6	R 72.6	R 815.1	R 89.7	0.7	R -77.3	R 2,168.6
1999	R 96.8	277.4	27.2	1.4	118.3	125.6	0.7	16.1	4.5	329.5	60.3	194.5	878.2	R 63.6	R 976.9	R 91.7	0.7	R -177.4	R 2,241.3
2000	106.2	296.7	32.9	1.7	125.0	140.2	0.5	23.3	4.4	328.5	57.7	153.3	867.5	89.7	794.6	92.9	0.6	-88.5	2,173.8

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the technical Notes for each type of energy.  
<sup>b</sup> Includes supplemental gaseous fuels.  
<sup>c</sup> Liquefied petroleum gases.  
<sup>d</sup> "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in the Technical Notes, Section 4, "Other Petroleum Products."  
<sup>e</sup> Through 1989, includes all net imports electricity, and, from 1990, includes only the portion of net imports of electricity that is derived from hydroelectric power.  
<sup>f</sup> "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Section 5 of the Technical Notes for an explanation of estimation methodology.  
<sup>g</sup> Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates

that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.  
<sup>h</sup> From 1989, "Total" does not equal the sum of the columns. Net imports of electricity generated from nonrenewable energy sources (shown in the Technical Notes Table TN8) is included in the total but not in any other columns.  
<sup>i</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.  
 kWh=Kilowatthours. R=Revised data. — =Not applicable.  
 Note: Totals may not equal sum of components due to independent rounding.  
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 8. Residential Energy Consumption Estimates, Selected Years, 1960-2000, Washington**

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum				Wood <sup>a</sup>	Geothermal	Solar <sup>d</sup>	Electricity <sup>a</sup>	Net Energy	Electrical System Energy Losses <sup>e</sup>	Total
			Distillate Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a,c</sup>	Total						Million Kilowatthours	
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Thousand Cords	Million Kilowatthours	Net Energy	Million Kilowatthours			
1960	R 106	8	7,303	0	347	7,650	888	—	—	8,755	—	21,776	—
1965	R 83	17	6,495	9	894	7,399	624	—	—	11,015	—	26,298	—
1970	R 19	32	7,035	115	1,145	8,296	479	—	—	15,355	—	37,209	—
1975	R 6	34	4,806	203	404	5,413	513	—	—	19,209	—	46,334	—
1980	R 34	30	3,422	65	626	4,113	653	—	—	24,445	—	59,442	—
1985	R 43	33	3,095	86	553	3,734	757	—	—	27,933	—	R 65,366	—
1990	R 12	40	2,998	49	657	3,704	949	—	—	28,809	—	R 62,846	—
1991	R 13	46	2,482	46	891	3,419	1,000	—	—	29,889	—	R 64,477	—
1992	R 16	43	1,827	29	880	2,737	1,052	—	—	28,436	—	R 60,259	—
1993	R 19	53	1,517	44	921	2,482	899	—	—	30,932	—	R 64,988	—
1994	R 13	53	1,523	66	944	2,532	882	—	—	29,673	—	R 61,498	—
1995	R 10	53	1,478	86	1,237	2,801	978	—	—	30,147	—	R 62,556	—
1996	R 3	63	1,499	110	1,258	2,867	977	—	—	32,012	—	R 66,468	—
1997	R 2	62	1,455	133	2,404	3,992	749	—	—	31,749	—	R 65,641	—
1998	R 2	62	1,620	123	2,182	3,926	R 678	—	—	31,362	—	R 64,394	—
1999	R 2	72	1,119	86	2,005	3,211	R 725	—	—	32,817	—	R 63,819	—
2000	2	72	1,151	66	2,070	3,287	759	—	—	33,036	—	56,641	—

**Trillion Btu**

1960	R 2.4	8.3	42.5	0.0	1.4	43.9	17.8	0.0	0.0	29.9	R 102.3	74.3	R 176.6
1965	R 1.9	18.7	37.8	0.1	3.6	41.5	12.5	0.0	0.0	37.6	R 112.1	89.7	R 201.9
1970	R 0.4	33.7	41.0	0.7	4.3	46.0	9.6	0.0	0.0	52.4	R 142.0	127.0	R 269.0
1975	0.1	35.8	28.0	1.1	1.5	30.6	10.3	0.0	0.0	65.5	R 142.3	158.1	R 300.4
1980	R 0.8	31.3	19.9	0.4	2.3	22.6	13.1	0.0	0.0	83.4	R 151.1	202.8	R 353.9
1985	R 1.0	34.3	18.0	0.5	2.0	20.5	15.1	0.0	0.0	95.3	R 166.3	R 223.0	R 389.3
1990	R 0.3	41.6	17.5	0.3	2.4	20.1	19.0	f (s)	f 0.4	98.3	R f 179.6	R 214.4	R f 394.0
1991	R 0.3	47.7	14.5	0.3	3.2	17.9	20.0	(s)	0.4	102.0	R 188.3	R 220.0	R 408.2
1992	R 0.3	44.4	10.6	0.2	3.2	14.0	21.0	(s)	0.4	97.0	R 177.3	R 205.6	R 382.9
1993	R 0.4	55.2	8.8	0.2	3.3	12.4	18.0	(s)	0.4	105.5	R 192.0	R 221.7	R 413.7
1994	R 0.3	55.3	8.9	0.4	3.4	12.7	17.6	(s)	0.4	101.2	R 187.6	R 209.8	R 397.4
1995	R 0.2	54.9	8.6	0.5	4.5	13.6	19.6	(s)	0.4	102.9	R 191.5	R 213.4	R 404.9
1996	R 0.1	65.0	8.7	0.6	4.5	13.9	19.5	(s)	0.4	109.2	R 208.1	R 226.8	R 434.9
1997	R 0.1	64.7	8.5	0.8	8.7	17.9	15.0	(s)	0.4	108.3	R 206.3	R 224.0	R 430.3
1998	(s)	64.7	9.4	0.7	7.9	18.0	R 13.6	(s)	0.4	107.0	R 203.7	R 219.7	R 423.4
1999	(s)	75.4	6.5	0.5	7.3	14.3	R 14.5	(s)	0.3	112.0	R 216.6	R 217.8	R 434.3
2000	0.1	74.3	6.7	0.4	7.5	14.5	15.2	(s)	0.3	112.7	217.1	193.3	410.4

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> Liquefied petroleum gases.

<sup>d</sup> Includes small amounts of solar thermal and photovoltaic energy consumed by the commercial sector that cannot be separately identified. See Section 5 of the the Technical Notes for an explanation of estimation methodology.

<sup>e</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

R=Revised data.

— =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 9. Commercial Energy Consumption Estimates, Selected Years, 1960-2000, Washington**

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum						Wood <sup>a</sup>	Geothermal	Electricity <sup>a</sup>	Net Energy	Electrical System Energy Losses <sup>d</sup>	Total <sup>e</sup>
			Distillate Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a,c</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Total					Million Kilowatthours	
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Thousand Cords	Million Kilowatthours	Million Kilowatthours			
1960	R 74	6	2,308	0	61	222	441	3,032	17	—	3,220	—	8,010	—
1965	R 63	11	2,053	1	158	255	412	2,880	12	—	4,380	—	10,457	—
1970	R 15	18	2,224	15	202	304	481	3,226	9	—	6,723	—	16,293	—
1975	R 14	32	1,519	26	71	374	355	2,345	10	—	10,377	—	25,030	—
1980	R 127	31	1,073	18	111	478	426	2,105	16	—	13,845	—	33,667	—
1985	R 173	35	4,272	206	98	357	748	5,681	20	—	18,965	—	R 44,381	—
1990	R 54	39	2,090	14	116	281	53	2,555	R 63	—	21,510	—	R 46,923	—
1991	R 67	42	1,611	17	157	189	101	2,075	R 67	—	21,967	—	R 47,387	—
1992	R 76	38	816	12	155	131	56	1,171	R 72	—	22,532	—	R 47,749	—
1993	R 95	44	675	13	163	48	60	959	R 75	—	22,959	—	R 48,237	—
1994	R 73	43	721	16	167	48	48	1,000	R 76	—	23,377	—	R 48,449	—
1995	R 68	43	932	14	218	59	111	1,335	R 76	—	23,912	—	R 49,616	—
1996	R 21	48	673	8	222	60	170	1,134	R 83	—	25,142	—	R 52,203	—
1997	R 20	47	854	13	424	60	46	1,398	R 86	—	25,191	—	R 52,082	—
1998	R 12	46	790	24	385	63	35	1,297	R 84	—	25,862	—	R 53,100	—
1999	R 15	51	562	12	354	321	34	1,283	R 92	—	26,695	—	R 51,913	—
2000	18	50	597	12	365	275	33	1,282	93	—	28,047	—	48,088	—

**Trillion Btu**

1960	R 1.7	6.7	13.4	0.0	0.2	1.2	2.8	17.6	0.3	0.0	11.0	R 37.3	27.3	R 64.7
1965	R 1.4	11.5	12.0	(s)	0.6	1.3	2.6	16.5	0.2	0.0	14.9	R 44.6	35.7	R 80.3
1970	R 0.3	19.5	13.0	0.1	0.8	1.6	3.0	18.4	0.2	0.0	22.9	R 61.4	55.6	R 117.0
1975	0.3	33.3	8.8	0.1	0.3	2.0	2.2	13.5	0.2	0.0	35.4	R 82.7	85.4	R 168.1
1980	R 2.9	32.4	6.2	0.1	0.4	2.5	2.7	11.9	0.3	0.0	47.2	R 94.8	114.9	R 209.6
1985	R 4.1	36.9	24.9	1.2	0.4	1.9	4.7	33.0	0.4	0.0	64.7	R 139.0	R 151.4	R 290.5
1990	R 1.2	39.8	12.2	0.1	0.4	1.5	0.3	14.5	R 1.3	f 0.1	73.4	f 130.2	R 160.1	f 290.3
1991	R 1.5	43.0	9.4	0.1	0.6	1.0	0.6	11.7	1.3	0.1	75.0	R 132.6	R 161.7	R 294.3
1992	R 1.7	39.0	4.8	0.1	0.6	0.7	0.4	6.4	1.4	0.1	76.9	R 125.6	R 162.9	R 288.5
1993	R 2.1	45.2	3.9	0.1	0.6	0.3	0.4	5.2	R 1.5	0.1	78.3	R 132.5	R 164.6	R 297.1
1994	R 1.6	44.7	4.2	0.1	0.6	0.3	0.3	5.5	1.5	0.1	79.8	R 133.2	R 165.3	R 298.5
1995	R 1.5	44.3	5.4	0.1	0.8	0.3	0.7	7.3	1.5	0.2	81.6	R 136.4	R 169.3	R 305.7
1996	R 0.5	49.9	3.9	(s)	0.8	0.3	1.1	6.2	R 1.7	0.2	85.8	R 144.2	R 178.1	R 322.3
1997	R 0.4	48.8	5.0	0.1	1.5	0.3	0.3	7.2	R 1.7	0.2	86.0	R 144.4	R 177.7	R 322.1
1998	R 0.3	47.6	4.6	0.1	1.4	0.3	0.2	6.7	R 1.7	0.3	88.2	R 144.8	R 181.2	R 325.9
1999	0.3	53.4	3.3	0.1	1.3	1.7	0.2	6.5	R 1.8	0.3	91.1	R 153.4	R 177.1	R 330.6
2000	0.5	52.2	3.5	0.1	1.3	1.4	0.2	6.5	1.9	0.3	95.7	157.1	164.1	321.2

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> Liquefied petroleum gases.

<sup>d</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>e</sup> Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

R=Revised data.

— =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 10. Industrial Energy Consumption Estimates, Selected Years, 1960-2000, Washington**

Year	Coal <sup>a</sup> Thousand Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum									Hydro-electric Power <sup>a</sup> Million kWh	Wood and Waste <sup>a</sup>	Other <sup>a,e</sup>	Electricity <sup>a</sup> Million kWh	Net Energy	Electrical System Energy Losses <sup>f</sup> Million kWh	Total
			Asphalt and Road Oil <sup>a</sup>	Distillate Fuel <sup>a</sup>	Kero-sene <sup>a</sup>	LPG <sup>a,c</sup>	Lubri-cants <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Other <sup>a,d</sup>	Total							
			Thousand Barrels															
1960	420	50	1,309	5,937	105	134	158	802	7,137	3,562	19,144	195	—	—	13,975	—	34,761	—
1965	341	79	1,683	5,546	23	155	216	765	7,281	7,881	23,551	190	—	—	18,703	—	44,656	—
1970	210	93	2,335	4,986	109	274	267	551	7,874	9,620	26,015	135	—	—	25,530	—	61,867	—
1975	463	92	2,910	4,025	118	250	192	438	5,924	12,236	26,094	181	—	—	27,416	—	66,132	—
1980	332	64	2,050	4,350	37	658	202	278	6,538	10,218	24,331	129	—	—	31,366	—	76,271	—
1985	208	63	2,039	2,766	920	1,487	184	692	5,167	11,021	24,276	129	—	—	29,431	—	R 68,873	—
1990	229	78	2,481	4,456	11	1,228	207	658	9 2,017	20,587	31,645	R 403	—	—	40,712	—	R 88,812	—
1991	197	80	2,967	3,985	7	1,302	185	794	1,340	20,277	30,856	R 416	—	—	40,839	—	R 88,098	—
1992	163	80	3,023	3,404	6	1,307	188	806	996	26,177	35,909	R 358	—	—	38,332	—	R 81,229	—
1993	174	92	2,941	2,670	6	1,284	192	526	859	22,449	30,928	330	—	—	36,563	—	R 76,818	—
1994	201	108	3,526	2,870	8	1,172	200	532	907	24,718	33,934	R 375	—	—	34,065	—	R 70,601	—
1995	223	110	3,558	2,748	21	1,278	197	555	654	24,956	33,968	472	—	—	34,276	—	R 71,124	—
1996	152	114	3,696	2,519	24	1,568	191	565	328	25,566	34,457	439	—	—	30,241	—	R 62,791	—
1997	156	111	4,048	2,711	21	2,190	202	593	309	24,107	34,182	R 526	—	—	31,348	—	R 64,811	—
1998	117	133	4,087	3,965	33	2,049	211	491	271	29,775	40,881	405	—	—	33,807	—	R 69,414	—
1999	R 115	127	4,104	2,135	26	2,085	214	506	421	32,362	41,853	517	—	—	39,499	—	R 76,813	—
2000	4,255	116	4,952	1,956	9	4,003	210	533	1,080	25,494	38,238	263	—	—	35,410	—	60,712	—

  

Trillion Btu																		
1960	10.9	51.8	8.7	34.6	0.6	0.5	1.0	4.2	44.9	21.4	115.8	2.1	40.4	0.0	47.7	268.7	118.6	387.3
1965	8.8	85.3	11.2	32.3	0.1	0.6	1.3	4.0	45.8	47.2	142.6	2.0	53.5	0.0	63.8	356.0	152.4	508.4
1970	5.1	98.3	15.5	29.0	0.6	1.0	1.6	2.9	49.5	57.6	157.8	1.4	56.8	0.0	87.1	406.5	211.1	617.6
1975	10.9	96.0	19.3	23.4	0.7	0.9	1.2	2.3	37.2	73.4	158.5	1.9	53.9	0.0	93.5	414.7	225.6	640.3
1980	7.1	67.0	13.6	25.3	0.2	2.4	1.2	1.5	41.1	61.1	146.5	1.3	78.3	0.0	107.0	407.2	260.2	667.5
1985	4.5	65.7	13.5	16.1	5.2	5.4	1.1	3.6	32.5	67.2	144.6	1.4	91.7	0.0	100.4	408.3	R 235.0	R 643.3
1990	5.2	80.8	16.5	26.0	0.1	4.5	1.3	3.5	12.7	123.8	188.2	R 9 4.2	69.1	9 0.0	138.9	R 9 486.3	R 303.0	R 9 789.4
1991	4.3	82.2	19.7	23.2	(s)	4.7	1.1	4.2	8.4	121.6	182.9	R 4.3	R 62.0	0.0	139.3	R 475.1	R 300.6	R 775.7
1992	3.4	82.4	20.1	19.8	(s)	4.7	1.1	4.2	6.3	156.4	212.7	R 3.7	R 81.5	0.0	130.8	R 514.4	R 277.2	R 791.5
1993	3.5	95.7	19.5	15.6	(s)	4.6	1.2	2.8	5.4	134.4	183.4	3.4	R 77.8	0.0	124.8	R 488.6	R 262.1	R 750.7
1994	3.9	112.0	23.4	16.7	(s)	4.3	1.2	2.8	5.7	147.8	201.9	3.9	R 78.0	0.0	116.2	R 515.9	R 240.9	R 756.8
1995	4.2	114.4	23.6	16.0	0.1	4.6	1.2	2.9	4.1	149.4	201.9	4.9	R 73.0	0.0	117.0	R 515.3	R 242.7	R 758.0
1996	3.0	118.4	24.5	14.7	0.1	5.7	1.2	2.9	2.1	153.4	204.6	4.5	R 69.6	0.0	103.2	R 503.3	R 214.2	R 717.6
1997	3.2	116.3	26.9	15.8	0.1	7.9	1.2	3.1	1.9	144.6	201.6	R 5.4	R 75.6	0.0	107.0	R 509.0	R 221.1	R 730.1
1998	2.7	139.0	27.1	23.1	0.2	7.4	1.3	2.6	1.7	179.0	242.4	R 4.1	R 71.0	0.0	115.4	R 574.6	R 236.8	R 811.4
1999	R 2.6	133.4	27.2	12.4	0.1	7.5	1.3	2.6	2.6	194.5	248.4	5.3	R 72.6	0.0	134.8	R 597.1	R 262.1	R 859.1
2000	68.7	120.3	32.9	11.4	0.1	14.4	1.3	2.8	6.8	153.3	222.9	2.7	72.2	0.0	120.8	607.7	207.1	814.8

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.  
<sup>b</sup> Includes supplemental gaseous fuels.  
<sup>c</sup> Liquefied petroleum gases.  
<sup>d</sup> "Other" is the subtotal of 16 petroleum products. See a full description in Section 4 of the Technical Notes "Other Petroleum Products."  
<sup>e</sup> "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Section 5 of the Technical Notes for an explanation of estimation methodology.  
<sup>f</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.  
<sup>9</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.  
R=Revised data.  
kWh=Kilowatthours. — =Not applicable.  
(s)=Btu value less than 0.05 and physical unit value less than 0.5.  
Note: Totals may not equal sum of components due to independent rounding.  
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 11. Transportation Energy Consumption Estimates, Selected Years, 1960-2000, Washington**

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum								Ethanol <sup>d</sup>	Electricity <sup>a</sup>	Net Energy	Electrical System Energy Losses <sup>e</sup>	Total <sup>d</sup>
			Aviation Gasoline <sup>a</sup>	Distillate Fuel <sup>a</sup>	Jet Fuel <sup>a</sup>	LPG <sup>a,c</sup>	Lubricants <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Total				Million Kilowatthours	
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Barrels	Million Kilowatthours	Net Energy	Million Kilowatthours	Total <sup>d</sup>
1960	7	(s)	2,161	2,574	4,502	6	413	22,052	1,707	33,415	0	1	—	3	—
1965	1	1	434	3,022	6,919	21	381	25,886	1,443	38,104	0	2	—	4	—
1970	(s)	6	351	3,956	10,637	38	400	35,213	2,025	52,620	0	2	—	4	—
1975	(s)	6	274	6,616	14,036	37	428	40,196	2,109	63,696	0	2	—	4	—
1980	0	4	356	9,595	12,036	92	501	41,897	10,112	74,589	0	2	—	5	—
1985	0	3	202	10,210	15,417	329	456	42,971	5,492	75,076	<sup>f</sup> 14	14	—	32	—
1990	0	5	313	12,213	22,343	291	513	52,525	14,428	102,626	205	16	—	34	—
1991	0	5	268	11,866	21,306	246	459	53,256	15,957	103,357	241	19	—	40	—
1992	0	3	289	12,394	24,066	207	468	54,259	22,385	114,067	1,123	20	—	<sup>R</sup> 41	—
1993	0	4	198	10,545	22,226	214	477	56,811	15,008	105,478	1,945	19	—	39	—
1994	0	7	318	13,685	21,492	312	498	56,866	14,810	107,981	2,245	19	—	39	—
1995	0	9	229	13,669	23,039	179	490	58,222	16,809	112,638	739	18	—	38	—
1996	0	7	292	14,269	22,323	148	475	60,986	12,485	110,979	328	17	—	36	—
1997	0	9	202	16,570	22,454	97	502	60,559	12,837	113,222	621	18	—	38	—
1998	0	9	356	14,921	21,859	100	525	61,279	9,936	108,977	835	18	—	37	—
1999	0	8	283	16,470	22,155	13	531	62,412	9,136	111,001	710	20	—	39	—
2000	0	6	332	17,301	24,726	18	523	62,246	8,067	113,212	800	18	—	32	—

**Trillion Btu**

1960	0.2	0.4	10.9	15.0	24.4	(s)	2.5	115.8	10.7	179.4	0.0	(s)	180.0	(s)	180.0
1965	(s)	0.7	2.2	17.6	38.2	0.1	2.3	136.0	9.1	205.4	0.0	(s)	206.2	(s)	206.2
1970	(s)	6.8	1.8	23.0	59.3	0.1	2.4	185.0	12.7	284.4	0.0	(s)	291.2	(s)	291.2
1975	(s)	6.1	1.4	38.5	78.7	0.1	2.6	211.1	13.3	345.8	0.0	(s)	351.9	(s)	351.9
1980	0.0	3.9	1.8	55.9	67.5	0.3	3.0	220.1	63.6	412.2	0.0	(s)	416.1	(s)	416.1
1985	0.0	3.0	1.0	59.5	86.6	1.2	2.8	225.7	34.5	411.3	<sup>f</sup> 0.1	(s)	<sup>f</sup> 414.4	0.1	<sup>f</sup> 414.5
1990	0.0	5.3	1.6	71.1	126.0	1.1	3.1	275.9	90.7	569.5	0.7	0.1	574.8	0.1	575.0
1991	0.0	5.3	1.4	69.1	120.2	0.9	2.8	279.8	100.3	574.5	0.9	0.1	579.8	0.1	580.0
1992	0.0	3.3	1.5	72.2	136.0	0.7	2.8	285.0	140.7	639.0	4.0	0.1	642.3	0.1	642.4
1993	0.0	4.5	1.0	61.4	125.6	0.8	2.9	298.4	94.4	584.5	6.9	0.1	589.0	0.1	589.1
1994	0.0	6.9	1.6	79.7	121.7	1.1	3.0	297.4	93.1	597.7	7.9	0.1	604.6	0.1	604.7
1995	0.0	9.1	1.2	79.6	130.4	0.6	3.0	303.6	105.7	624.1	2.6	0.1	633.2	0.1	633.4
1996	0.0	7.2	1.5	83.1	126.5	0.5	2.9	318.1	78.5	611.1	1.2	0.1	618.4	0.1	618.6
1997	0.0	9.4	1.0	96.5	127.3	0.4	3.0	315.7	80.7	624.7	2.2	0.1	634.1	0.1	634.2
1998	0.0	9.6	1.8	86.9	123.9	0.4	3.2	319.4	62.5	598.1	3.0	0.1	607.7	0.1	607.9
1999	0.0	8.2	1.4	95.9	125.6	(s)	3.2	325.2	57.4	608.9	2.5	0.1	617.1	0.1	617.3
2000	0.0	6.4	1.7	100.8	140.2	0.1	3.2	324.3	50.7	620.9	2.8	0.1	627.3	0.1	627.4

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

<sup>b</sup> Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

<sup>c</sup> Liquefied petroleum gases.

<sup>d</sup> Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

<sup>e</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.

<sup>f</sup> There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

**Table 12. Estimates of Energy Input at Electric Utilities, Selected Years, 1960-2000, Washington**

Year	Coal Thousand Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum				Nuclear Electric Power	Hydroelectric Power <sup>e</sup>	Wood and Waste	Geothermal Energy	Other <sup>b,f</sup>	Total <sup>g</sup>
			Residual Fuel <sup>b,c</sup>	Distillate Fuel <sup>b,d</sup>	Petroleum Coke <sup>b</sup>	Total						
			Thousand Barrels									
1960	0	0	14	2	0	16	0	34,104	1	0	0	—
1965	0	0	3	(s)	0	3	0	48,624	0	0	0	—
1970	0	0	3	(s)	0	4	2,614	70,008	(s)	0	0	—
1975	4,009	0	71	4	0	75	3,308	85,257	0	0	0	—
1980	4,950	1	201	31	0	232	2,041	83,841	0	0	0	—
1985	5,192	(s)	0	17	0	17	8,038	77,827	282	0	0	—
1990	4,852	(s)	1	30	0	31	5,742	87,146	333	0	0	—
1991	5,184	(s)	1	15	0	16	4,230	90,670	274	0	0	—
1992	6,148	5	1	12	0	13	5,692	72,424	361	0	0	—
1993	5,646	5	1	62	0	62	7,135	67,318	395	0	0	—
1994	6,016	2	0	12	0	12	6,740	65,175	396	0	0	—
1995	3,857	6	0	18	0	18	6,942	80,995	261	0	0	—
1996	5,507	7	0	16	0	16	5,588	101,114	360	0	0	—
1997	4,771	3	0	39	0	39	6,244	104,613	353	0	0	—
1998	6,111	13	0	83	0	83	6,916	79,533	337	0	0	—
1999	5,707	7	0	19	0	19	6,086	95,014	270	0	0	—
2000	2,223	41	0	453	0	453	8,605	77,632	362	0	0	—

  

Trillion Btu												
1960	0.0	0.0	0.1	(s)	0.0	0.1	0.0	367.0	(s)	0.0	0.0	367.1
1965	0.0	0.0	(s)	(s)	0.0	(s)	0.0	508.3	0.0	0.0	0.0	508.3
1970	0.0	0.0	(s)	(s)	0.0	(s)	28.7	734.7	(s)	0.0	0.0	763.4
1975	64.9	0.0	0.4	(s)	0.0	0.5	36.4	887.2	0.0	0.0	0.0	989.0
1980	80.2	1.0	1.3	0.2	0.0	1.4	22.3	870.9	0.0	0.0	0.0	975.8
1985	84.1	0.1	0.0	0.1	0.0	0.1	R 85.4	813.1	2.9	0.0	0.0	R 985.7
1990	78.9	0.2	(s)	0.2	0.0	0.2	R 60.8	906.5	3.5	0.0	0.0	R 1,051.3
1991	83.1	0.1	(s)	0.1	0.0	0.1	R 44.3	946.2	2.9	0.0	0.0	R 1,085.8
1992	100.7	5.7	(s)	0.1	0.0	0.1	R 59.6	749.0	3.7	0.0	0.0	R 937.2
1993	91.7	5.1	(s)	0.4	0.0	0.4	R 74.9	694.0	4.1	0.0	0.0	R 874.2
1994	101.1	2.6	0.0	0.1	0.0	0.1	R 70.4	672.3	4.1	0.0	0.0	R 879.7
1995	63.8	6.7	0.0	0.1	0.0	0.1	R 72.9	835.2	2.7	0.0	0.0	R 984.2
1996	87.4	6.9	0.0	0.1	0.0	0.1	R 58.7	1,045.5	3.7	0.0	0.0	R 1,218.6
1997	76.7	2.7	0.0	0.2	0.0	0.2	R 65.5	R 1,068.4	R 3.6	0.0	0.0	R 1,244.5
1998	100.4	14.1	0.0	0.5	0.0	0.5	R 72.6	R 811.0	R 3.4	0.0	0.0	R 1,025.9
1999	93.9	7.1	0.0	0.1	0.0	0.1	R 63.6	R 971.6	2.8	0.0	0.0	R 1,172.4
2000	36.9	43.4	0.0	2.6	0.0	2.6	89.7	791.9	3.7	0.0	0.0	982.4

<sup>a</sup> Includes supplemental gaseous fuels.

<sup>b</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

<sup>c</sup> Prior to 1980, based on oil used in steam plants. Since 1980, residual fuel includes fuel oil nos. 4, 5, and 6 and residual fuel oils.

<sup>d</sup> Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, distillate fuel includes fuel oil nos. 1 and 2, kerosene, and jet fuel.

<sup>e</sup> Through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of net imports of electricity that is derived from hydroelectric power.

<sup>f</sup> "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.

<sup>g</sup> If applicable, from 1989, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in Table TN8 in the Technical Notes.

R=Revised data.

— =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.